



PIBIC

Pibic awards best
academic research



Best papers developed by scientific initiation are awarded

The amphitheater of block C was the stage for the award of the best papers developed by the students of Don Bosco Catholic University (UCDB) that integrated the scientific initiation in the cycle 2017-2018. The recognition came to five prominent researches included in the Institutional Program of Scientific Initiation Scholarships (Pibic), in different areas of knowledge and also for a study developed through the Institutional Program of

Initiatives in Technological Development and Innovation (Pibiti).

Of these works, two were better evaluated in relation to the others, and in addition to the certificate, each responsible researcher won with a scholarship in the Catholic University. The winners were Krisley Amorim de Araújo and Suellen Alencar da Silva - the former developed a study in the area of "Applied Social and Legal Sciences" and the other in the area of "Human Sciences".

"I was very happy! It was the realization of a dream, because I entered the scientific initiation with the intention of pursuing a career and now I can start another journey in the Graduate Program in Psychology", celebrated Krisley. According to the researcher, the intention is to continue the work developed as a Pibic scholar - four years have been devoted to the study of contemporary migrations, the last article, focusing on the Haitian women who came to Campo Grande to try a better life.

expedient



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- Rector**
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While Suellen carried out the research "Analysis of the application of the principle of the primacy of reality in labor claims". "I sought to analyze the frauds in the work contracts in the period of 1982, and how this extends to the present day, from the Principle of the Primacy of Reality", the researcher said.

Check out the full list of students awarded by Pibic/Pibiti:



Applied Social Sciences and Legal
Student: Krisley Amorim de Araújo
Advisor: Professor Dr. Luciane Pinho de Almeida



Human Sciences
Student: Suellen Alencar Rufino da Silva
Advisor: Professor Dr. Maria Augusta de Castilho



Agricultural Sciences
Student: Odaias Pereira de Almeida Filho
Advisor: Professor Dr. Ludovico Migliolo



Professors and academics awarded



Biological and Health Sciences
Student: Tamara Nicoletti da Mata
Advisor: Professor Ms. Lizandra Alvares Félix Barros



Exact and Earth Sciences
Student: Rodrigo Antônio Miranda
Advisor: Professor Dr. Marco Hiroshi Naka



Pibiti - Technological Innovation
Student: Alexandre Arruda Atalla
Advisor: Professor Fernando Jorge Correa Magalhães Filho



Don Bosco Catholic University (UCDB), through a team of researchers, technicians and the participation of the Innovation and Entrepreneurship Agency of the UCDB (S-Inova) commences the work of the management plan of the Ceroula Stream Basin for members of the Environmental Protection Area management council. The work plan is analyzed by the working group of the City Hall of Campo Grande, led by the Municipal Agency of Environment and Urban Planning (Planurb).

“The importance of this partnership lies in the involvement of the educational community in a participatory, collaborative, interdisciplinary and interprofessional way throughout the project, along with all the local actors involved”, said the coordinator of the work by UCDB, Sanitary and Environmental Engineer Ana Paula Teles.

According to the coordinator, the five

products are organized in the form of inserts, the first product being: delivery and approval of the report detailing the methodology proposed preliminary work plan; Output 2: Report of the 1st Planning Workshop; Product 3: APA synthesis document (inserts 1, 2 and 3); Output 4: Insert 4 (APA Planning) and Output 5: Final version of the APA Management Plan for Ceroula.



UCDB presents methodology for preparing the Plan Management Plan for the Ceroula Stream



UCDB Master develops equipment that helps in the diagnosis of disease in newborns

The master in biotechnology by UCDB Gustavo da Silva Andrade has developed a prototype of equipment that helps pediatric medical teams to diagnose jaundice (yellowish) - a very common disease caused by the accumulation of biliary pigment (bilirubin) in the blood which, in severe cases, can leave sequels and even kill.

“We made a device with a sensor that, when approaching the baby’s skin, read that piece of skin. The indication is that five points are analyzed: in the head, in the chest, in the abdomen, in the leg and in the arms. If there is a variation of this coloring, doctors should be more attentive”, explained Gustavo, who is a computer engineer and has developed research at UCDB and the University of Akron, Ohio.

Jaundice attacks the head first and then goes down the body. When it reaches the lower limbs, the picture is already considered serious.

In partnership with the University Hospital (HU), Gustavo did the first tests with the device. In the international market, the same type of device already exists, but comes to cost US \$ 38 thousand. “Mine has a total cost of \$ 60. The intention is that all hospitals and even home deliverers have one of them to help with the diagnosis quickly”.

The next steps of the research are to carry out more tests and improve the prototype. “But we already have very good results: it is practical and easy to use, it avoids medical discharge by false negative and the cost of production is cheap”, he said.



Work was guided by Professor Dr. Marco Hiroshi Naka and co-chaired by Dr. Mauro Conti Pereira

About 50% of newborns and 80% of premature infants present with jaundice at birth

Currently, the diagnosis is made via clinical and blood tests

“How good it is to know the Law” Program completes one year of information to the population



In this month of March, the program “Legal Minute - How good it is to know the Law” completes one year of placement in FM Educativa UCDB. Produced by the law course in partnership with the Brazilian Bar Association, Mato Grosso do Sul branch (OAB/MS), and the School of Law (ESA), the spots address the different branches of Law and seek to bring important information to citizens.

“In this first year of work, there were 36 issues that brought real themes, with practical examples of resolution, in several areas. The repercussion we had was enormous and we want, next year, an even greater involvement of our students, who engage, research, discuss with teachers. This is a learning for all”, said Elaine Cler, law school coordinator.

The idea of the project came from Deborah Louise, a student who is already a journalist. “I

believe that, in order to advance as a society, with true equality, we begin with education. And in order to achieve social justice, we need to bring people closer to the law. Thus came the idea of the project. When I entered the course, I began to discover a lot of important information for the day to day. So I thought that ‘legal pills’ with tips for people would do this function of

awakening citizenship in radio listeners”, she recalled.

The program has the support of the Academic Directory Clóvis Beviláqua (Daclobe) and has also become a scientific initiation project (Pibic). There are ten daily viewing hours: 6:35, 7:45, 11:35, 12:35, 13:35, 15:35, 16:35, 17:35 pm, 18:35 pm, 22:30 pm, broadcast on FM Educativa UCDB (91.5 MHz).



Commemoration of the first year of program brought law students together

Researches of UCDB to combat *Aedes aegypti* mosquito larvae receives patent registration

Dom Bosco Catholic University, through the bioprospecting group of plants with insecticidal potential, has just received the second patent registration at the National Institute of Intellectual Property (INPI) for research on mosquito larvae *Aedes aegypti*, transmitters of dengue, chikungunya fever and zika virus.

“The patent is an intellectual property security, a guarantee that the procedures for the elaboration of these products will follow a correct methodology, that there is a rigor and a technique for elaboration, guaranteeing the safety and security of this product”, emphasized the professor researcher postdoc, Karla Porto.

The first registration was based on the use of castor oil and now with the liquid cashew nuts,

both processed into powder, guaranteeing longer time and ease of application. They are ideal for placing in ditches and reservoirs for reuse of properly capped rainwater. “The results are promising and safe and can be used without a proven risk through ecotoxicological tests”, she emphasized.

Another specie of plant is also studied in the control of larvae. “Now, in my doctorate, I am studying neem, originally from India, known scientifically as *Azadirachta indica*, but the plant I am going to work on is also cultivated here in Mato Grosso do Sul. I will extract the oil from this fruit and test on the larvae of *Aedes aegypti*”, emphasizes the biologist, PhD candidate in Environmental Sciences and Agricultural Sustainability, Priscilla Rezende Motti.

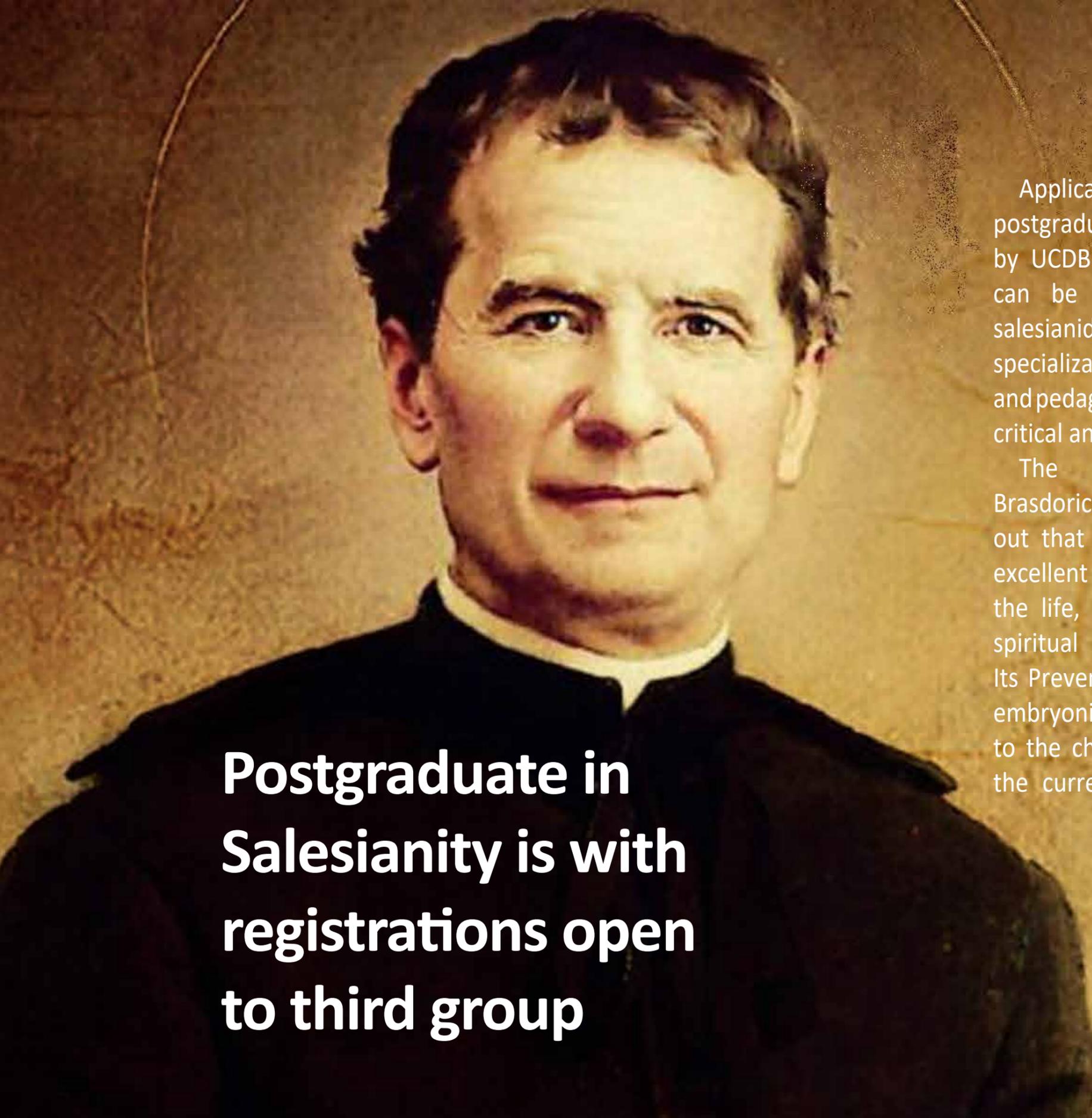


Priscilla Motti studies the use of neem against the dengue vector



Two products developed by Professor Karla Porto are patented



A large, detailed portrait of Don Bosco, a man with dark hair and a slight smile, wearing a black clerical garment with a white collar. The background is a textured, golden-brown color. In the bottom right corner, there is a smaller, semi-transparent version of the same portrait.

Postgraduate in Salesianity is with registrations open to third group

Applications for the Lato Sensu postgraduate course in Salesianity, offered by UCDB Virtual, are open. Registrations can be made at www.virtual.ucdb.br/salesianidade. This is the third group of specialization that approaches the life, work and pedagogy of Don Bosco from a historical-critical and contemporary perspective.

The specialization coordinator, Brasdorico Merqueades Santos, points out that “the course in Salesianity is an excellent opportunity to get to know the life, work, pedagogical, pastoral and spiritual teachings of Saint John Bosco. Its Preventive System is analyzed from its embryonic experience, in Valdocco (Italy), to the challenging dialogues proposed by the current scientific topics. The course

provides the student with the knowledge of Don Bosco educator, who emerges from the complex context of the nineteenth century and offers specific answers to his reality. At the same time, using reflection from the rich Salesian magisterium, it wants to provide educational and pastoral courses of action in the face of new youth contexts”.

The course is offered online over a period of 15 months in a total of nine subjects. Seven modules are specific disciplines, such as Don Bosco and his time, Historical-critical elements of the evolution of Don Bosco’s action as educator, Youth Grammars, Salesianity and Contemporaneity, among others, as well as two disciplines of scientific methodology and Scientific Production Techniques.

Pastoral UCDB



SOLID EASTER

The Pro-Rectorate for Pastoral and Community Affairs holds until April 10 the Campaign Solidarity Easter, with the goal of collecting Easter eggs, chocolates and chocolate bars to be donated to needy children. The campaign, an initiative of veterinary medicine undergraduate students and involves the entire educational community. Donations can be made in pastoral rooms (block A, Patio UCDB or in coordination of block D).

Programming of Holy Week in the University Parish St. John Bosco

UNIVERSITY RETREAT IS COMING!

Registration open for the first University Spiritual Retreat of 2019 “Those who meet a friend find a treasure” (Eclo 6, 14b), which will be held on May 3, 4 and 5, at the UCDB School Farm. More information in the Pastoral rooms (block A and Patio UCDB), in SIIA, and by whatsapp (67) 98114-4855.

SACRAMENTS

The St. John Bosco University Parish celebrates Mass with Baptism on April 21 (Easter Sunday) at 7:15 pm and the First Communion Mass on April 28 at the same time for the catechizers who prepared themselves in 2018.

CONFESSIONS FOR EASTER

On April 9, 10, and 11, confessions are taking place in preparation for Easter, there will be priests available in the Church to attend to every academic community. It is not necessary to set the time, the service will be in order of arrival, being in the morning from 8am to 11am and in the night time from 7pm to 9pm.

- 16/04 (Tuesday) at 7.15 pm:
Luminous rosary
- 17 (Wednesday), at 7:15 p.m.
Procession of silence and Via Sacra
- 18 (Thursday), at 7.15 pm:
Mass of the Lord's Supper (foot-washing)
- 04/20 (Saturday), at 7:15 p.m.
Easter Vigil
- 04/21 (Sunday), at 7:15 p.m.
Easter mass